

## 1X16 Fiber Optical Splitter



### 1, Description:

Optical fiber splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting.

### 2, Feature:

Good uniformity and low insertion loss

Low Polarization Dependent Loss

Excellent Mechanical

Operating environment: -40° C to +85° C

Fiber input: 0.9mm or 250  $\mu$  m fiber for choice

### 3, Application:

Fiber optic equipment & systems

CATV networks

Data communications

Passive Optical Networks

### 4, Specification:

| Parameters                           | 1×2                         | 1×4     | 1×8       | 1×16      | 1×32      | 1×64      |
|--------------------------------------|-----------------------------|---------|-----------|-----------|-----------|-----------|
| Operating Wavelength (nm)            | 1260~1650                   |         |           |           |           |           |
| Fiber Type                           | G657A or customer specified |         |           |           |           |           |
| Insertion Loss (dB)(P/S Grade)       | 3.8/4.0                     | 7.1/7.3 | 10.2/10.5 | 13.5/13.7 | 16.5/16.9 | 20.5/21.0 |
| Loss Uniformity (dB)                 | 0.4                         | 0.6     | 0.8       | 1.2       | 1.5       | 2.0       |
| Return Loss (dB) (P/S Grade)         | 55/50                       | 55/50   | 55/50     | 55/50     | 55/50     | 55/50     |
| Polarization Dependent loss          | 0.2                         | 0.2     | 0.2       | 0.25      | 0.3       | 0.35      |
| Directivity (dB)                     | 55                          | 55      | 55        | 55        | 55        | 55        |
| Wavelength Dependent Loss            | 0.3                         | 0.3     | 0.3       | 0.5       | 0.5       | 0.5       |
| Temperature Stability(-40~85 °C)(dB) | 0.4                         | 0.4     | 0.4       | 0.5       | 0.5       | 0.5       |
| Operating Temperature (°C)           | -40~85                      |         |           |           |           |           |
| Storage Temperature (°C)             | -40~85                      |         |           |           |           |           |
| Package                              | Steel Tube or ABS           |         |           |           |           |           |

